RFIDEAS

13.56 MHz Contactless

Single Badge Solutions for Identification and Access

AIR ID® Writer

Desktop read/write reader for HID iCLASS and NXP MIFARE contactless smart cards

Overview

The AIR ID product line meets a variety of needs in multiple situations. AIR ID products leverage current badge investments and existing control systems while expanding technologies and applications with a single badge solution.

The AIR ID Writer easily plugs into a computer and offers the user the ability to write to contactless cards via the included software (AIR ID Card Manager) or with the optional Software Developer's Kit (SDK). The AIR ID Writer enables a variety of applications.

Applications

- Point-of-sale terminals
- Equipment and material checkout
- Loyalty and membership programs
- Writes to any application area on the iCLASS or MIFARE (contactless cards) and allows users to set their own keys
- When used with contactless cards, labels or tags, AIR ID Writer offers security features such as RF data encryptions and mutual authentication using user defined, unique keys

Features

Complies with industry standards: Uses advanced semiconductor technology based on 13.56 MHz frequency to comply with numerous ISO standards. Readers can read data from cards compliant with the following standards: ISO 14443 & ISO 15693: read/write iCLASS, MIFARE.

Security: AIR ID contactless cards offer unique features, such as cryptographic data storage, mutual authentication, secure reading/writing of data, and user defined access keys.

Time and money savings: Allows users to leverage existing access control systems, while upgrading to new applications and technologies. Eliminates the need for training, printing, and card costs by using just one card.

Easy integration of iCLASS and MIFARE products: The SDK kit includes several high level commands, which allows third-party developers to set up iCLASS and MIFARE products quickly. Commands include the following:

- Connect (automatically find/connect to our USB or RS-232 AIR ID Writers)
- Find free page/sector
- Fill page (with data)
- Erase page (making it free for other applications)
- Read from card or write data to card (specific block)
- Load key(s) in reader
- Write key to card

Specifications

Typical maximum read range:

- 2.0" – 4.0" (5.0 – 10.0 cm) with PVC ID cards
- 1.0" – 1.5" (2.5 – 3.8 cm) with key fobs
- 1.0" – 1.5" (2.5 – 3.8 cm) with labels or tags

Dimensions: 3.4" x 2.0" x 0.6"

Weight: 0.45 lbs. (204g)

Power requirements and interface:

- Nominal input: 5 Vdc
- USB Model: via USB cable
- RS-232 model: via a pass-thru PS/2 connector or power supply adapter

Notifications: Tri-state LED, beeper

Transmit frequency: 13.56 MHz

Operating temperature range: -31° to 150°F (-35° to 65°C)

Operating humidity range: 5% to 95% relative humidity, non-condensing

Certifications: FCC, CE, C-tick, RoHS

Warranty: One year for material/workmanship defects; see complete policy for details.

Part Numbers

Type	USB	RS-232	SDK
HID iCLASS	RDR-7080AKU	RDR-7080AK2	DK-7080-DOWNLOAD
MIFARE	RDR-7580AKU	RDR-7580AK2	DK-7080-DOWNLOAD

Please feel free to call, e-mail or visit our website for a full list of applications, products, configuration options, supported cards and form factor specifications. Our website includes application videos, support materials, case studies and detailed information about our product line.

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